ABSTRACT

A dicing method not affected by abrasion, a liquid crystal projector using the cover glass and a digital image recognition apparatus provided with the sold-state image sensing device which in turn is provided with the cover glass. After tapered grooves are formed, intermediate dicing grooves are formed in the tapered grooves beveling is carried out. Then, the cutting dicing grooves are formed from the opposite side so as to reach the intermediate dicing grooves, respectively. Thus, the base plate is cut by dicing totally three times. Alternatively, the intermediate dicing grooves are provided, and the tapered grooves are formed on the side of the glass plate which is opposite to the side thereof where the intermediate dicing grooves are provided, and thereafter, cutting dicing grooves are formed in the tapered grooves so as to reach the intermediate dicing grooves. Thus, the base plate is cut by dicing totally three times.